

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: FAIL-SAFE

Report Number: P365386

Luminaire Tested: **FLD6BX20D010-FEU6B12-8035-F6LBXVM1-MW-BTR85**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365386
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-16)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX20D010-FEU6B12-8035-F6LBXVM1-MW-BTR85
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.187", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1210.0 lumens
Efficiency: N/A
Efficacy: 59.6 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.84
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

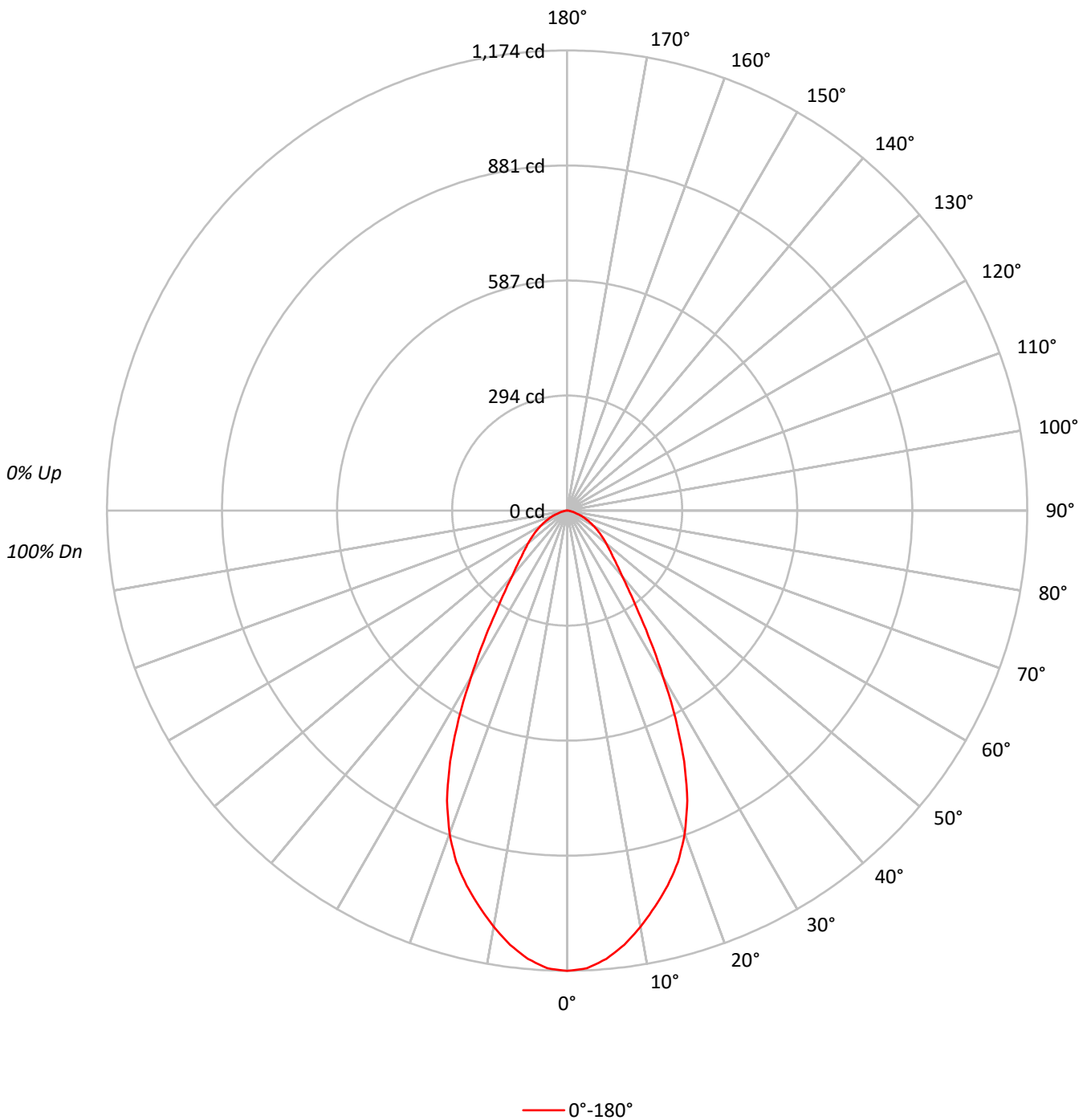
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	109	106	103	110	107	104	101	102	100	98	99	97	95	95	94	92	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	83	82
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74
4	93	84	77	72	91	82	76	72	80	75	71	78	73	70	76	72	69	67
5	87	77	70	65	85	76	70	65	74	69	64	73	68	64	71	67	63	62
6	82	72	65	60	80	71	64	60	69	63	59	68	63	59	66	62	58	57
7	77	67	60	55	76	66	60	55	65	59	55	64	58	54	62	58	54	52
8	73	63	56	51	72	62	55	51	61	55	51	60	54	51	59	54	50	49
9	70	59	52	48	68	58	52	48	57	51	47	56	51	47	55	51	47	45
10	66	55	49	45	65	55	49	44	54	48	44	53	48	44	52	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	84075
5°	82527
10°	78392
15°	73416
20°	66840
25°	55761
30°	40430
35°	27814
40°	20451
45°	16597
50°	14436
55°	12758
60°	11098
65°	9420
70°	7620
75°	5505
80°	3670
85°	3943



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.4	8.9
10°-20°	276.6	22.9
20°-30°	317.5	26.2
30°-40°	205.4	17.0
40°-50°	129.1	10.7
50°-60°	91.9	7.6
60°-70°	55.4	4.6
70°-80°	22.0	1.8
80°-90°	4.7	0.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
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0°-30°	701.4	58.0
0°-40°	906.9	74.9
0°-60°	1127.8	93.2
0°-90°	1210.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1210.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1174	
5°	1148	107
15°	990	277
25°	706	317
35°	318	205
45°	164	129
55°	102	92
65°	56	55
75°	20	22
85°	5	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1174.2
2.5°	1168.7
5°	1148.2
7.5°	1117.3
10°	1078.2
12.5°	1035.0
15°	990.4
17.5°	940.3
20°	877.2
22.5°	801.1
25°	705.8
27.5°	599.5
30°	489.0
32.5°	395.8
35°	318.2
37.5°	261.3
40°	218.8
42.5°	187.9
45°	163.9
47.5°	145.4
50°	129.6
52.5°	115.9
55°	102.2
57.5°	89.9
60°	77.5
62.5°	66.5
65°	55.6
67.5°	45.3
70°	36.4
72.5°	27.4
75°	19.9
77.5°	13.7
80°	8.9
82.5°	5.5
85°	4.8
87.5°	2.7
90°	0.0

(END OF REPORT)